

## SEQUENCE LISTING

<110> Olson, Gary L.  
Self, Christopher  
Lee, Lily  
Cook, Charles M.  
Birktopf, Jens

<120> THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR THE  
MODULATION OF ANGIOGENESIS

<130> PPI-106CP2

<140>  
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<150> US 09/972,772  
<151> 2001-10-05

<150> US 09/704,251  
<151> 2000-11-01

<160> 35

<170> PatentIn Ver. 2.0

<210> 1  
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<212> PRT  
<213> Artificial Sequence

<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 may be any amino acid

<220>  
<223> Description of Artificial Sequence: Motifs

<400> 1  
Pro Leu Gly Xaa  
1

<210> 2  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> VARIANT  
<222> 2  
<223> Xaa at position 2 represents L-cyclohexylalanine

<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 represents methylated cysteine

<220>  
<223> Description of Artificial Sequence: Motifs

&lt;400&gt; 2

Pro Xaa Gly Xaa His  
1 5

&lt;210&gt; 3

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; 8

&lt;223&gt; Xaa at position 8 represents D-Arginine

&lt;400&gt; 3

Pro Gln Gly Ile Ala Gly Gln Xaa  
1 5

&lt;210&gt; 4

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;400&gt; 4

Pro Gln Gly Ile Ala Gly Trp  
1 5

&lt;210&gt; 5

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; 4

&lt;223&gt; Xaa at position 4 represents methylated cysteine

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; 7

&lt;223&gt; Xaa at position 7 represents D-Arginine

&lt;400&gt; 5

Pro Leu Gly Xaa His Ala Xaa  
1 5

&lt;210&gt; 6

<211> 7  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs  
  
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<223> Xaa at position 7 represents D-Arginine  
  
<400> 6  
Pro Leu Gly Leu Trp Ala Xaa  
1 5

<210> 7  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs  
  
<400> 7  
Pro Leu Ala Leu Trp Ala Arg  
1 5

<210> 8  
<211> 7  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs  
  
<400> 8  
Pro Leu Ala Leu Trp Ala Arg  
1 5

<210> 9  
<211> 7  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs  
  
<400> 9  
Pro Leu Ala Tyr Trp Ala Arg  
1 5

<210> 10  
<211> 7  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs

<400> 10  
Pro Tyr Ala Tyr Trp Met Arg  
1 5

<210> 11  
<211> 6  
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<213> Artificial Sequence

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<220>  
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<222> 2  
<223> Xaa at position 2 represents L-cyclohexylalanine

<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 represents L-norvaline

<400> 11  
Pro Xaa Gly Xaa His Ala  
1 5

<210> 12  
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<220>  
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<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 represents L-norvaline

<400> 12  
Pro Leu Ala Xaa  
1

<210> 13  
<211> 4  
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<220>  
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<400> 13  
Pro Leu Gly Leu  
1

<210> 14  
<211> 4  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs

<400> 14  
Pro Leu Gly Ala  
1

<210> 15  
<211> 8  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs

<400> 15  
Arg Pro Leu Ala Leu Trp Arg Ser  
1 5

<210> 16  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 2  
<223> Xaa at position 2 represents L-cyclohexylalanine

<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 represents L-a-aminobutyryl

<220>  
<221> VARIANT  
<222> 5  
<223> Xaa at position 5 represents methylated cysteine

<400> 16  
Pro Xaa Ala Xaa Xaa His Ala  
1 5

<210> 17  
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<213> Artificial Sequence

<220>  
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<221> VARIANT

<222> 2  
 <223> xaa at position 2 represents L-cyclohexylalanine  
 <220>  
 <221> VARIANT  
 <222> 5  
 <223> Xaa at position 5 represents methylated cysteine

<400> 17  
 Pro Xaa Ala Gly Xaa His Ala  
 1 5

<210> 18  
 <211> 9  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 18  
 Pro Lys Pro Gln Gln Phe Phe Gly Leu  
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<210> 19  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 19  
 Pro Lys Pro Leu Ala Leu  
 1 5

<210> 20  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa at position 7 represents L-norvaline

<400> 20  
 Arg Pro Lys Pro Tyr Ala Xaa Trp Met  
 1 5

<210> 21  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 7  
<223> Xaa at position 7 represents L-norvaline

<400> 21  
Arg Pro Lys Pro Val Glu Xaa Trp Arg  
1 5

<210> 22  
<211> 9  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 7  
<223> Xaa at position 7 represents L-norvaline

<400> 22  
Arg Pro Lys Pro Val Glu Xaa Trp Arg  
1 5

<210> 23  
<211> 8  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 7  
<223> Xaa at position 7 represents L-norvaline

<400> 23  
Arg Pro Lys Pro Leu Ala Xaa Trp  
1 5

<210> 24  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 1  
<223> Xaa at position 1 represents a modified Proline

residue having an acetyl group attached

<400> 24

Xaa Leu Gly Met Trp Ala  
1 5

<210> 25

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 25

Gly Pro Leu Gly Met His Ala Gly  
1 5

<210> 26

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 4

<223> Xaa at position 4 represents methylated glycine

<400> 26

Gly Pro Leu Xaa  
1

<210> 27

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 27

Gly Pro Leu Gly  
1

<210> 28

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 28

Gly Met Gly Leu Pro



1

5

&lt;210&gt; 29

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;400&gt; 29

Ala Met Gly Ile Pro

1

5

&lt;210&gt; 30

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; 4

<223> Xaa at position 4 represents a modified tyrosine  
residue having an O-Methyl group attached

&lt;400&gt; 30

Arg Gly Asp Xaa Arg Glu

1

5

&lt;210&gt; 31

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;400&gt; 31

Gly Arg Gly Asp Ser Pro

1

5

&lt;210&gt; 32

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Motifs

&lt;400&gt; 32

Gly Arg Gly Asp

1

<210> 33  
<211> 5  
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<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 1  
<223> Xaa at position 1 represents a modified Proline  
residue having an acetyl group attached

<400> 33  
Xaa Leu Gly Met Ala  
1 5

<210> 34  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs

<220>  
<221> VARIANT  
<222> 1  
<223> Xaa at position 1 represents a modified Arginine  
residue having an acetyl group attached

<400> 34  
Xaa Gly Asp Ser Pro Leu Gly Met Trp Ala  
1 5 10

<210> 35  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Motifs

<400> 35  
Pro Leu Gly Met Trp Ser Arg  
1 5